

PTO/SB/21 (08-03)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/774,011	
	Filing Date	February 6, 2004	
	First Named Inventor	Guanghua WU	
	Art Unit	2856	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	12 + 32 refs.	Attorney Docket Number	356952001300

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Form PTO-1449 + copy (8 pages) 2. Thirty-two (32) references 3. Return postcard		
<table border="1"><tr><td>Remarks</td><td></td></tr></table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 25226) Christopher B. Eide - 48,375
Signature	
Date	May 14, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: May 14, 2004

Signature: (Mae Pattison)



PATENT
Docket No. 356952001300
Client Reference: 120

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Mae Pattison

Mae Pattison

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Guanghua WU et al.

Serial No.: 10/774,011

Filing Date: February 6, 2004

For: MICROMECHANICAL DEVICE WITH
THINNED CANTILEVER STRUCTURE
AND RELATED METHODS

Examiner: Not Yet Assigned

Group Art Unit: 2856

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Pursuant to the USPTO notice dated July 11, 2003, waiving the requirement under 37 C.F.R. § 1.98 (a)(2)(i) to provide copies of U.S. Patents and U.S. Published Applications, copies of those references are not submitted. Copies of foreign documents and non-patent literature are submitted herewith in

accordance with 37 C.F.R. § 1.98 (a)(2). The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of __ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of __ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.


The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 356952001300. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

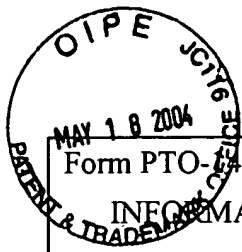
Dated: May 14, 2004

Respectfully submitted,

By: _____


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Form PTO-449

Docket Number 356952001300

Application Number 10/774,011

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Guanghua WU et al.

Filing Date February 6, 2004

Group Art Unit 2856

Mailing Date May 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	11/06/2003	2003/0205739	Yamada et al.			
	2.	09/22/1981	4,291,293	Bean			
	3.	09/22/1987	4,663,648	Yamada et al.			
	4.	03/1988	4,730,496	Knecht et al.			
	5.	10/1991	5,060,526	Barth et al.			
	6.	11/19/1991	5,065,978	Albarda et al.			
	7.	07/1992	5,132,658	Dauenhauer et al.			
	8.	09/1992	5,142,781	Mettner et al.			
	9.	01/12/93	5,179,499	MacDonald et al.			
	10.	03/30/93	5,198,390	MacDonald et al.			
	11.	08/10/93	5,235,187	Arney et al.			
	12.	08/1993	5,238,223	Mettner et al.			
	13.	02/1994	5,285,097	Hirai			
	14.	02/15/94	5,287,082	Arney et al.			
	15.	05/31/94	5,316,979	MacDonald et al.			
	16.	11/08/94	5,363,021	MacDonald			
	17.	12/20/94	5,375,033	MacDonald			
	18.	01/1995	5,386,142	Kurtz et al.			
	19.	02/28/95	5,393,375	MacDonald			
	20.	02/1995	5,393,711	Biallas et al.			
	21.	03/14/95	5,397,904	Arney et al.			
	22.	03/21/95	5,399,415	Chen et al.			
	23.	03/28/1995	5,400,824	Gschwendtner et al.			
	24.	06/20/95	5,426,070	Shaw et al.			
	25.	04/09/96	5,506,175	Zhang et al.			
	26.	07/16/96	5,536,988	Zhang et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 356952001300	Application Number 10/774,011
	Applicant Guanghua WU et al.	
	Filing Date February 6, 2004	Group Art Unit 2856
	Mailing Date May 14, 2004	

	27.	10/08/96	5,563,343	Shaw et al.			
	28.	10/15/96	5,565,625	Howe et al.			
	29.	10/22/96	5,567,880	Yokota et al.			
	30.	12/24/96	5,587,601	Kurtz			
	31.	1/7/97	5,591,679	Jakobsen et al.			
	32.	1/14/97	5,594,171	Ischida et al.			
	33.	03/25/97	5,615,143	MacDonald et al.			
	34.	05/06/97	5,627,427	Das et al.			
	35.	05/13/97	5,628,917	MacDonald et al.			
	36.	06/10/97	5,637,539	Hofmann et al.			
	37.	2/17/98	5,719,073	Shaw et al.			
	38.	7/4/00	6,084,257	Petersen et al.			
	39.	11/13/01	6,316,796	Petersen et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	40.	05/16/1990	EP 0 368 446	Europe				
	41.	03/23/1994	EP 0 588 371	Europe				
	42.	04/13/1994	EP 0 591 554	Europe				
	43.	07/06/1994	EP 0 605 300	Europe				
	44.	07/23/1992	DE 41 01 575	Germany			Abstract	
	45.	11/23/1995	DE 44 17 251	Germany			Abstract	
	46.	01/04/1996	DE 44 22 942	Germany			Abstract	
	47.	04/23/1979	JP 54-51490	Japan			Abstract	
	48.	08/20/1987	JP 62-190775	Japan			Abstract	
	49.	04/01/1999	WO 99/16096	WIPO				
	50.	12/08/1994	WO 94/28427	WIPO				
	51.	08/18/1994	WO 94/18697	WIPO				
	52.	01/09/1997	WO 97/01221	WIPO				

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	53.	02/06/1997	WO 97/04283	WIPO				
	54.	03/14/1996	WO 96/08036	WIPO				
	55.	03/16/2000	WO 00/14415	WIPO				

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(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	56.	Ammar, E. S. et al. (1980). "UMOS Transistors on (110) Silicon," <i>IEEE Transactions on Electron Devices</i> (ED-27)(5):907-914.
	57.	Analog Devices, Inc. (1996). "Monolithic Accelerometer With Signal Conditioning," Analog Devices ADXL50 Datasheet Specifications. pp. 1-16.
	58.	Bartha, J. W. et al. (1995). "Low Temperature Etching of Si in High Density Plasma Using SF ₆ /O ₂ ," <i>MicroElectronic Engineering</i> 27:453-456.
	59.	Bryzek, J. et al. (1994). "Micromachines on the March," <i>IEEE Spectrum</i> , pp. 20-31.
	60.	Fung, C. et al. (1985). "Deep Etching of Silicon Using Plasma", <i>Micromachining and Micropackaging of Transducers</i> pp. 159-164.
	61.	Goodenough, F. (1995). "Redesigned Surface-Micromachined Accelerometer IC Provides Increased Sensitivity of ± 1 -5 G Full Scale", <i>Electronic Design, Technology Advances</i> pp. 37 and 40 only.
	62.	Goyal, A. et al. (1993). "Formation of Silicon Reentrant Cavity Heat Sinks Using Anisotropic Etching and Direct Wafer Bonding," <i>IEEE Electron Device Letters</i> 14 (1): 29-32.
	63.	Linder, C. et al. (1991). "Deep Dry Etching Techniques as a New IC Compatible Tool for Silicon Micromachining," <i>IEEE</i> pp. 524-527.
	64.	Noworolski, J. M. et al. (1996). "Process For In-Plane And Out-Of-Plane Single-Crystal-Silicon Thermal Microactuators," <i>Sensors and Actuators</i> 55(1):65-69.
	65.	Petersen, K. (1982). "Silicon as a Mechanical Material," <i>Proceedings of the IEEE</i> 70(5):420-457.
	66.	Petersen, K. et al. (1991). "Surface Micromachined Structures Fabricated with Silicon Fusion Bonding," <i>IEEE</i> pp. 397-399.
	67.	Seidel, H. et al. (1990). "Anisotropic Etching of Crystalline Silicon in Alkaline Solutions, Orientation Dependence and Behavior of Passivation Layers," <i>J. Electrochem Soc.</i> 137(11):3612-3632.
	68.	Sherman, S. J. et al. (1992). "A Low Cost Monolithic Accelerometer; Product/Technology Update", <i>IEEE Technical Digest</i> pp. 501-504.
	69.	Suzuki, K. (1990). "Single Crystal Silicon Micro-Actuators," <i>IEEE Electronic Devices Technical Digest, International Electron Devices Meeting</i> pp. 625-628.
	70.	Uenishi, Y. et al. (1994). "Micro-Opto-Mechanical Devices Fabricated By Anisotropic Etching of (110) Silicon," <i>Proceedings of the IEEE, Micro Electro Mechanical Systems</i> pp. 319-324.

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	Mailing Date May 14, 2004	

71.	Yunkin, V. A, et al. (1994). "Highly Anisotropic Selective Reactive Ion Etching of Deep Trenches in Silicon", <i>Microelectronic Engineering</i> 23: 373-376.
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